

**COMBINED DECLARATION FOR PATENT APPLICATION
AND
POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Creep Resistant Refractory with Controlled Optical Emission

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Vincent A. Branton	Registration No. 39,120
George L. Craig	Registration No. 29,293
Joseph A. Marasco	Registration No. 32,798
James M. Spicer	Registration No. 26,096
Shelley L. Stafford	Registration No. 38,623
Kirk A. Wilson	Registration No. 45,939

All of: UT-Battelle, LLC
P. O. Box 2008
Oak Ridge, Tennessee 37831-6498

Please direct all correspondence and telephone calls to Joseph A. Marasco , Phone (865)-574-4178.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Richard A. Lowden
Inventor's signature: Richard A. Lowden Date: 08/22/01
Residence: Clinton, Tennessee
Citizenship: USA
Post Office Address: 435 Mariner Point Drive, Clinton, Tennessee 37716

Full name of second inventor: Robert J. Lauf
Inventor's signature: Robert J. Lauf Date: 8/22/01
Residence: Oak Ridge, Tennessee
Citizenship: USA
Post Office Address: 998 W. Outer Drive, Oak Ridge, Tennessee 37830

Full name of third inventor: Frederick C. Montgomery
Inventor's signature: Frederick C. Montgomery Date: 8/22/01
Residence: Oak Ridge, Tennessee
Citizenship: USA
Post Office Address: 102 Halsted Ct., Oak Ridge, Tennessee 37830

Full name of fourth inventor: Claudia J. Rawn
Inventor's signature: Claudia J. Rawn Date: 8/22/01
Residence: Knoxville, Tennessee
Citizenship: USA
Post Office Address: 4150 Ridgeway Lane, Knoxville, Tennessee 37919
CDR